

Abstract

Connecting and deflecting element for pneumatic structural elements, comprising a hollow body (1) with two caps (5), and also comprising a compression member (2) between two joint elements (3) on which tension members (4, 11) are fastened. The tension members (4, 11) run around the hollow body (1) once in opposite helical directions and thus cross over at a crossover location (7) on a lateral line (6) located opposite the compression member (2). The connecting and deflecting element according to the invention is fitted at the crossover location (7). It comprises a base plate (8) which has a milled relief (9). The tension members (4, 11) are positioned in this milled relief such that they themselves no longer cross over, but the point of intersection of the lines of action of the tensile forces, illustrated by chain-dotted lines (10), essentially still coincides with the crossover location (7). For a cover, four threads (13) are provided in the base plate (8).

(Figures 1 and 2)